

Replaced By
Art 34 Article

Claims

1. Heat integrated distillation column comprising a cylindrical outer shell having an upper and a lower end and at least one first inner volume and at least one second inner volume in the shell, and being in heat exchanging contact with each other through a wall separating the volumes, the improvement comprising providing means having heat exchanging capacity extending through the said wall from said at least one first volume into said at least one second volume, whereby the inside 5 of the said heat exchanging means is in open connection with the said first volume.
2. Column according to claim 1, wherein the said column is provided with an inner tube which is concentric with the outer shell, thereby defining a volume inside the inner tube and an annular volume between 10 inner tube and outer shell.
3. Column according to claim 1, wherein the said first and said second volume have been created by a separating wall extending along the inside of the outer shell, and connected at both ends to the outer 15 wall.
4. Column according to claims 1-3, wherein said first volume is constructed to act as stripping section and said second volume as enriching section. 20
5. Column according to claims 1-4, wherein the heat exchange means are present in the volume that has been designed as the volume with the highest temperature and is in open connection with the volume 25 designed to have the lowest temperature.
6. Column according to claims 1-4, wherein the heat exchange means are present in the volume that has been designed as the volume with the lowest temperature and is in open connection with the volume 30 designed to have the highest temperature.